SHEET NO. COUNTY TOTAL SHEETS SHEET NO. 1 I. 567 (12)BR-1 LEE 68 21 24 SHEETS FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJEC

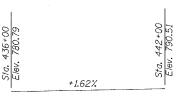
CONTRACT NO. 64425

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

2.Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to constuction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

- 3. The contractor shall drive one test pile in a permanent location at west abutment as directed by the Engineer before ordering the remainder
- 4. All construction joints shall be bonded.



PROPOSED PROFILE GRADE F.A.P. ROUTE 567

(along & Roadway)

TOTAL BILL OF MATERIAL

| ITEM | UNIT | SUPER | SUB | TOTAL |
|--|---------|--------|--------|--------|
| Removal of Existing Superstructures | Each | 1 | - | 1 |
| Concrete Structures | Cu. Yd. | - | 84.1 | 84.1 |
| Concrete Superstructure | Cu. Yd. | 221.8 | - | 221.8 |
| Reinforcement Bars, Epoxy Coated | Pound | 47,890 | 10,040 | 57,930 |
| Furnishing Steel Piles HP 12 x 53 | Foot | - | 180 | 180 |
| Driving Steel Piles | Foot | - | 180 | 180 |
| Test Pile Steel HP 12 x 53 | Each | - | 1 | 1 |
| Furnishing and Erecting Precast Prestressed Concrete I Beams, 36" | Foot | 926 | - | 926 |
| Elastomeric Bearing Assembly Type I | Each | - | 24 | 24 |
| Name Plates | Each | 1 | - | 1 |
| Protective Coat | Sq. Yd. | 756.3 | - | 756.3 |
| Structure Excavation | Cu. Yd. | - | 279.2 | 279.2 |
| Rock Excavation for Structures | Cu. Yd. | - | 16.8 | 16.8 |
| Concrete Removal | Cu. Yd. | - | 19.9 | 19.9 |
| Temporary Sheet Piling | Sq. Ft. | - | 349.7 | 349.7 |
| Bridge Deck Grooving | Sq. Yd. | 625.3 | - | 625.3 |
| Bar Splicers | Each | 584 | 53 | 637 |
| Porous Granular Embankment | Cu. Yd. | - | 176.9 | 176.9 |
| Removal of Existing Sub-Structures | Each | - | 2 | 2 |
| Slope Wall Breaking | Sq. Yd. | _ | 271 | 271 |
| Temporary Support System | Each | - | 2 | 2 |
| Temporary Soil Retention System | Sq. Ft. | - | 176.8 | 176.8 |
| Stone Riprap Class A4 | Ton | | 60 | 60 |

STATION 439+12.17 REBUILT 20 BY STATE OF ILLINOIS F.A.P. RT. 567 SEC. (12)BR-1 LOADING HS20 STR. NO. 052-0020

NAME PLATE See Std. 515001

Clean and Relocate Existing Name Plate next to New Name Plate.

Cost included with Name Plates.

GENERAL PLAN AND ELEVATION IL RTE 38 OVER FRANKLIN CREEK F.A.P. RTE 567 SECTION (12)BR-1 LEE COUNTY STATION 439+12.17 S.N. 052-0020

| DE | SIGNED JFJ | Γ |
|-----|------------|----|
| | ECKED DDB | 17 |
| DI | PAWW JB | 18 |
| Ci. | ECKED DDB | • |

| | RANDOLPH & ASSOCIATES. | IN | | | | |
|---|---|------|--|--|--|--|
| | 11: V. PZONSER PARKONT, PEDRJA- JL 01010-2124 TEL.387-873-8944 FAX.389-813-6858 *1-588-631-1221 R T T P + / / Y Y Y , R A M D D L P M J M C , C D M | | | | | |
| • | CONSULTING ENGINEERS . LAND SURVE | rons | | | | |

136.109

July

2002 (17th Edition)

$f_c' = 6000 psi$ 5000 psi 270 ksi (1/2" \$\phi\$ low relaxation strands) f'_{sl} = 201.960 ksi (1/2" ϕ low relaxation strands)

PRECAST PRESTRESSED UNITS

DESIGN STRESSES

 $f_y = 60,000 \text{ psi (Reinf.)}$

Field Units

 $f_c' = 3500 \, psi$

DESIGN SPECIFICATIONS

LOCATION SKETCH

AASHTO Standard Specs

Drainage Area = 24.3 sq. mi.

WATERWAY INFORMATION

3433 408 408

3906

Low Grade Elev. 776.0 © Sta. 432+00

Exist.
Prop.
H.W.E.
Exist.
Prop.
Exist.
P

Q Opening Sq. Ft. Nat. Head - Ft. Headwater E

5019 483 483 757.8 0.3 0.2 758.1 758.

Flood

Design

Overtopping